



*Handwritten initials and date: 04/10*

Patent  
Docket No: 56899US003

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Bernard O. Geaghan et al.

Group Art Unit:

Serial No.: 10/052,695

Filed: January 18, 2002

Examiner:

For: TOUCH SCREEN WITH SELECTIVE TOUCH SOURCES

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on:

*March 28, 2002*  
Date

*Heather M. Sumter*  
Signature: Heather M. Sumter

**PRELIMINARY AMENDMENT**

Commissioner for Patents  
Washington, DC 20231

Dear Sir:

Preliminary to examination of the above-identified application, please enter the following amendments.

**In the Specification**

Please replace the paragraph that begins on page 7, line 31, with the following paragraph. A marked-up version of the original paragraph showing the changes being made is provided on a separate page.

--System 200 also includes power source 218 that produces a time varying signal  $v(t)$ . This signal may be a sign wave, square wave, or any time varying voltage. Amplifiers 222 drive the signal to each of the corners of conductive surface 213 through wires 224. The voltage  $v(t)$  is driven from the output of each of amplifiers 222, so the entire surface of touch sensor 212 is at a uniform voltage. Current measuring devices 228 measure currents 226 that flow through the amplifier outputs. When conductive surface 213 is touched by, for example, a finger, capacitive contact is made and is represented by capacitor 230. Current flows from ground 232, through amplifiers 222, conductive